

10/525710

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Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	Not Yet Assigned
				Filing Date	Concurrently Herewith
				First Named Inventor	Burkhard Kröger
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	13111-00006-US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number-Kind Code <sup>4</sup> (if known)				
	BA	WO-93/17112		09-02-1993	Genencor International Inc.		
	BB	WO-02/10206		02-07-2002	Degussa AG		
	BC	WO-02/10209		02-07-2002	Degussa AG		
	BD	WO-02/18613		03-07-2002	Degussa AG		
	BE	WO-02/097096		12-05-2002	Degussa AG		
	BF	WO-2004/024931		03-25-2004	BASF Aktiengesellschaft		
	BG	WO-2004/024932		03-25-2004	BASF Aktiengesellschaft		

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Examiner Signature	T. Saidha	Date Considered	3/5/07
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JR	AA*	US-5,965,391	10-12-1999	Reinscheid et al.	
	AB*	US-5,158,891	10-27-1992	Takeda et al.	
	AC*	US-2003/0170775-A1	09-11-2003	Pompejus, et al.	
	AD*	US-4,489,160	12-18-1984	Katsumata et al.	
	AE*	US-4,601,893	07-22-1986	Cardinal	
	AF*	US-5,175,108	12-29-1992	Bachmann et al.	
JR	AG*	US 10/511,302		Kröger et al.	

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JR	BA	EP-1108790-A2	06-20-2001	Kyowa Hakko Kogyo Co., Ltd.		
	BB	DE-10046870-A1	03-28-2002	BASF Aktiengesellschaft		See US- 2003/0170775-A1
	BC	WO-03/100072-A2	12-04-2003	BASF Aktiengesellschaft		
	BD	EP-0472869-A2	03-04-1992	Degussa AG		See US 5,175,108.
	BE	WO-96/15246-A1	05-23-1996	Forschungszentrum Jülich GMBH		See US 5,965,391.
	BF	JP-10-229891-A	09-02-1998	Mitsubishi Rayon Co., Ltd.		See Abstract.
JR	BE	WO-2003/087386-A3	10-23-2003	BASF Aktiengesellschaft		See US 10/511,302

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JR	CA	KASE, H., ET AL., "L-Methionine Production by Methionine Analog-resistant Mutants of <i>Corynebacterium glutamicum</i> ", Agr. Biol. Chem., Vol. 39, No. 1, 1975, pp. 153-160.		
	CB	MARTIN, J. F., ET AL., "Cloning Systems in Amino Acid-Producing <i>Corynebacteria</i> ", Biotechnology, Vol. 5, 1987, pp. 137-146.		
	CC	LIEBL, W., "High efficiency electroporation of intact <i>Corynebacterium glutamicum</i> cells", FEMS Microbiology Letters, Vol. 65, 1989, pp. 299-304.		
JR	CD	PEARSON, W. R., ET AL., "Improved tools for biological sequence comparison", Proc. Natl. Acad. Sci. USA, Vol. 85, 1988, pp. 2444-2448.		

Examiner Signature	T. Saadha	Date Considered	3/5/07
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		Art Unit	1645 1652		
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CE	LENNOX, E. S., "Transduction of Linked Genetic Characters of the Host by Bacteriophage P1", <i>Virology</i> , Vol. 1, 1955, pp. 190-206.
CF	SAHIN-TOTH, M., ET AL., "Cysteine scanning mutagenesis of the N-terminal 32 amino acid residues in the lactose permease of <i>Escherichia coli</i> ", <i>Protein Sciences</i> , Vol. 3, 1994, pp. 240-247.
CG	MALAKHOVA, I. I., ET AL., "Thin-Layer Chromatography of Free Amino Acids. Selection of Conditions for the Separation of L-Lysine, L-Homoserine, and L-Threonine", <i>Biotechnologia</i> , Vol. 11, 1996, pp. 27-32.
CH	WAHL, G. M., ET AL., "Cosmid vectors for rapid genomic walking, restriction mapping, and gene transfer", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 84, 1987, pp. 2160-2164.
CI	EIKMANN, B. J., "Identification, Sequence Analysis, and Expression of a <i>Corynebacterium glutamicum</i> Gene Cluster Encoding the Three Glycolytic Enzymes Glyceraldehyde-3-Phosphate Dehydrogenase, 3-Phosphoglycerate Kinase, and Triosephosphate Isomerase", <i>Journal of Bacteriology</i> , Vol. 174, No. 19, 1992, pp. 6076-6086.
CJ	BEN-BASSAT, A., ET AL., "Processing of the Initiation Methionine from Proteins: Properties of the <i>Escherichia coli</i> Methionine Aminopeptidase and Its Gene Structure", <i>Journal of Bacteriology</i> , Vol. 169, No. 2, 1987, pp. 751-757.
CK	TAUCH, A., ET AL., " <i>Corynebacterium glutamicum</i> DNA is subjected to methylation-restriction in <i>Escherichia coli</i> ", <i>FEMS Microbiology Letters</i> , Vol. 123, 1994, pp. 343-348.
CL	LIEBL, W., ET AL., "Transfer of <i>Brevibacterium divaricatum</i> DSM 20297 <sup>T</sup> , " <i>Brevibacterium flavum</i> " DSM 20411, " <i>Brevibacterium lactofermentum</i> " DSM 20412 and DSM 1412, and <i>Corynebacterium lilium</i> DSM 20137 <sup>T</sup> to <i>Corynebacterium glutamicum</i> and Their Distinction by rRNA Gene Restriction Patterns", <i>International Journal of Systematic Bacteriology</i> , Vol. 41, No. 2, 1991, pp. 255-260.
CM	THIERBACH, G., ET AL., "Transformation of spheroplasts and protoplasts of <i>Corynebacterium glutamicum</i> ", <i>Appl. Microbiol. Biotechnol.</i> , Vol. 29, 1988, pp. 356-362.
CN	BUTLER, B. A., "Sequence Analysis Using GCG", <i>Methods of Biochemical Analysis</i> , Vol. 39, 1998, pp. 74-97.
CO	SCHRUMPF, B., ET AL., "A Functionally Split Pathway for Lysine Synthesis in <i>Corynebacterium glutamicum</i> ", <i>Journal of Bacteriology</i> , Vol. 173, No. 14, 1991, pp. 4510-4516.
CP	EIKMANN, B. J., ET AL., "A family of <i>Corynebacterium glutamicum</i> / <i>Escherichia coli</i> shuttle vectors for cloning, controlled gene expression, and promoter probing", <i>Gene</i> , Vol. 102, 1991, pp. 93-98.
CQ	SCHÄFER, A., ET AL., "Small mobilizable multi-purpose cloning vectors derived from the <i>Escherichia coli</i> plasmids pK18 and pK19: selection of defined deletions in the chromosome of <i>Corynebacterium glutamicum</i> ", <i>Gene</i> , Vol. 145, 1994, pp. 69-73.
CR	STADEN, R., "The current status and portability of our sequence handling software", <i>Nucleic Acids Research</i> , Vol. 14, No. 1, 1986, pp. 217-231.
CS	SERWOLD-DAVIS, T. M., ET AL., "Localization of an origin of replication in <i>Corynebacterium diphtheriae</i> broad host range plasmid pNG2 that also functions in <i>Escherichia coli</i> ", <i>FEMS Microbiology Letters</i> , Vol. 68, 1990, pp. 119-124.
CT	SONNEN, H., ET AL., "Characterization of pGA1, a new plasmid from <i>Corynebacterium glutamicum</i> LP-6", <i>Gene</i> , Vol. 107, 1991, pp. 69-74.
CU	PATEK, M., ET AL., "Promoters from <i>Corynebacterium glutamicum</i> : cloning, molecular analysis and search for a consensus motif", <i>Microbiology</i> , 1996, Vol. 142, pp. 1297-1309.
CV	GRANT, S. G. N., ET AL., "Differential plasmid rescue from transgenic mouse DNAs into <i>Escherichia coli</i> methylation-restriction mutants", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 87, 1990, pp. 4645-4649.
CW	JENSEN, P. R., ET AL., "Artificial Promoters for Metabolic Optimization", <i>Biotechnology and Bioengineering</i> , Vol. 58, 1998, pp. 191-195.

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JG	CX	DUNICAN, L. K., ET AL., "High Frequency Transformation of Whole Cells of Amino Acid Producing Coryneform Bacteria Using High Voltage Electroporation", Biotechnology, Vol. 7, 1989, pp. 1067-1070.	
	CY	LABARRE, J., ET AL., "Gene Replacement, Integration, and Amplification at the <i>gdhA</i> Locus of <i>Corynebacterium glutamicum</i> ", Journal of Bacteriology, 1993, Vol. 175, No. 4, pp. 1001-1007.	
	CZ	BOLIVAR, F., "Molecular Cloning Vectors Derived From The ColE1 Type Plasmid pMB1", Life Sciences, Vol. 25, 1979, pp. 807-818.	
	CA1	SCHWARZER, A., ET AL., "Manipulation of <i>Corynebacterium glutamicum</i> by Gene Disruption and Replacement", Biotechnology, Vol. 9, 1991, pp. 84-87.	
	CB1	TAUCH, A., ET AL., "The Erythromycin Resistance Gene of the <i>Corynebacterium xerosis</i> R-plasmid pTP10 Also Carrying Chloramphenicol, Kanamycin, and Tetracycline Resistances is Capable of Transposition in <i>Corynebacterium glutamicum</i> ", Plasmid, Vol. 33, 1995, pp. 168-179.	
	CC1	TSUCHIYA, M., ET AL., "Genetic Control Systems of <i>Escherichia coli</i> Can Confer Inducible Expression of Cloned Genes in Coryneform Bacteria", Biotechnology, Vol. 6, 1988, pp. 428-430.	
	CD1	KOHARA, Y., ET AL., "The Physical Map of the Whole E. coli Chromosome: Application of a New Strategy for Rapid Analysis and Sorting of a Large Genomic Library", Cell, Vol. 50, 1987, pp. 495-508.	
	CE1	SAHM, H., ET AL., "Pathway Analysis and Metabolic Engineering in <i>Corynebacterium glutamicum</i> ", Biol. Chem., Vol. 381, 2000, pp. 899-910.	
	CF1	IKE, Y., ET AL., "Solid phase synthesis of polynucleotides. VIII. Synthesis of mixed oligodeoxyribonucleotides by the phosphotriester solid phase method", Nucleic Acids Research, Vol. 11, No. 2, 1983, pp. 477-488.	
	CG1	DELAGRAVE, S., ET AL., "Recursive ensemble mutagenesis", Protein Engineering, Vol. 6, No. 3, 1993, pp. 327-331.	
	CH1	ARKIN, A. P., ET AL., "An algorithm for protein engineering: Simulations of recursive ensemble mutagenesis", Proc. Natl. Acad. Sci., USA, Vol. 89, 1992, pp. 7811-7815.	
	CI1	MARCK, C., "DNA Strider: a 'C' program for the fast analysis of DNA and protein sequences on the Apple Macintosh family of computers", Nucleic Acids Research, Vol. 16, No. 5, 1988, pp. 1829-1836.	
	CJ1	HOCHULI, E., ET AL., "Genetic Approach to Facilitate Purification of Recombinant Proteins With a Novel Metal Chelate Adsorbent", Biotechnology, Vol. 6, 1988, pp. 1321-1325.	
	CK1	GUERRERO, C., ET AL., "Directed mutagenesis of a regulatory palindromic sequence upstream from the <i>Brevibacterium lactofermentum</i> tryptophan operon", Gene, Vol. 138, 1994, pp. 35-41.	
	CL1	ITAKURA, K., ET AL., "Expression in <i>Escherichia coli</i> of a Chemically Synthesized Gene for the Hormone Somatostatin", Science, Vol. 198, 1977, pp. 1056-1063.	
	CM1	MAKRIDES, S. C., "Strategies for Achieving High-Level Expression of Genes in <i>Escherichia coli</i> ", Microbiological Reviews, Vol. 60, No. 3, 1996, pp. 512-538.	
	CN1	BERNARD, P., ET AL., "The F Plasmid CcdB Protein Induces Efficient ATP-dependent DNA Cleavage by Gyrase", J. Mol. Biol., Vol. 234, 1993, pp. 534-541.	
	CO1	SPRATT, B. G., "Kanamycin-resistant vectors that are analogues of plasmids pUC8, pUC9, pEMBL8 and pEMBL9", Gene, Vol. 41, 1986, pp. 337-342.	
	CP1	NARANG, S. A., "Tetrahedron Report Number 140 - DNA synthesis", Tetrahedron, Vol. 39, No. 1, 1983, pp. 3-22.	
JG	CQ1	SCHMIDT, S., ET AL., "Near infrared spectroscopy in fermentation and quality control for amino acid production", Bioprocess Engineering, Vol. 19, 1998, pp. 67-70.	
	CR1	ITAKURA, K., ET AL., "Synthesis and Use of Synthetic Oligonucleotides", Ann. Rev.	

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		Biochem., Vol. 53, 1984, pp. 323-356.	
J/S	CS1	EIKMANN, B. J., ET AL., "Molecular Aspects of lysine, threonine, and isoleucine biosynthesis in <i>Corynebacterium glutamicum</i> ", Atonie van Leeuwenhoek, Vol. 64, 1993, pp. 145-163.	
	CT1	O'REGAN, M., ET AL., "Cloning and nucleotide sequence of the phosphoenolpyruvate carboxylase-coding gene of <i>Corynebacterium glutamicum</i> ATCC13032", Gene, Vol. 77, 1989, pp. 237-251.	
	CU1	MALUMBRES, M., ET AL., "Codon preference in <i>Corynebacteria</i> ", Gene, Vol. 134, 1993, pp. 15-24.	
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	CX1	SANGER, F., ET AL., "DNA sequencing with chain-terminating inhibitors", Proc. Natl. Acad. Sci. USA, Vol. 74, No. 12, 1977, pp. 5463-5467.	
	CY1	REINSCHIED, D. J., ET AL., "Stable Expression of <i>hom-1-thrB</i> in <i>Corynebacterium glutamicum</i> and Its Effect on the Carbon Flux to Threonine and Related Amino Acids", Applied and Environmental Microbiology, Vol. 60, No. 1, 1994, pp. 126-132.	
	CZ1	VIEIRA, J., ET AL., "The pUC plasmids, an M13mp7-derived system for insertion mutagenesis and sequencing with synthetic universal primers", Gene, Vol. 19, 1982, pp. 259-268.	
	CA2	PATEK, M., ET AL., "Leucine Synthesis in <i>Corynebacterium glutamicum</i> : Enzyme Activities, Structure of <i>leuA</i> , and Effect of <i>leuA</i> Inactivation on Lysine Synthesis", Applied and Environmental Microbiology, Vol. 60, No. 1, 1994, pp. 133-140.	
	CB2	MOTOYAMA, H., ET AL., "Overproduction of L-Lysine from Methanol by <i>Methylobacillus glycogenes</i> Derivatives Carrying a Plasmid with a Mutated <i>dapA</i> Gene", Applied and Environmental Microbiology, Vol. 67, No. 7, 2001, pp. 3064-3070.	
	CC2	SHIMIZU, H., ET AL., "Cloning and overexpression of the <i>oah1</i> gene encoding O-acetyl-L-homoserine sulphydrylase of <i>Thermus thermophilus</i> HB8 and characterization of the gene product", Biochimica et Biophysica Acta, Vol. 1549, 2001, pp. 61-72.	
J/S	CD2	YAMAGATA, S., ET AL., "Overexpression of the <i>Saccharomyces cerevisiae</i> MET17/MET25 gene in <i>Escherichia coli</i> and comparative characterization of the product with O-acetylserine - O-acetylhomoserine sulphydrylase of the yeast", Appl. Microbiol. Biotechnol., Vol. 42, 1994, pp. 92-99.	

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